



- (b) List and define the entities of Mobile IP and describe data transfer from a mobile node to a fixed node and vice versa.

**5. Attempt any *one* part of the following: 10x1 = 10**

- (a) Explain adaptive clustering for wireless networks. How clustering is done in wireless transmission? Give a suitable example.
- (b) Illustrate different data management issues in mobile computing. Also discuss different strategies of data replication.

**6. Attempt any *one* part of the following: 10x1 = 10**

- (a) Discuss the schemes of mobile transaction management. List out various issues concerned to transaction management.
- (b) What is the basic purpose of agent advertisement in packet forwarding? Explain the message format of agent advertisement.

**7. Attempt any *one* part of the following: 10x1 = 10**

- (a) What are the characteristics of MANET? Explain the process of Path Discovery and Path Maintenance in DSR Routing Protocols.
- (b) Explain the listed routing protocols:
  - (i) Destination sequenced Distance-Vector(DSDV)
  - (ii) Fisheye State Routing

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